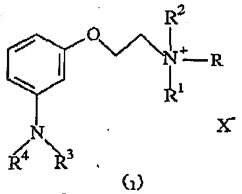
Appl. No. 10/052,362
Atty. Docket No. G-286M (CP-1218)
Amdt. Dated January 16th, 2004
Reply to Office Action of October 9th, 2003
Customer No. 27752

Amendments to the Specification

Please replace the paragraph beginning page 2 line 11, with the following paragraph:

This invention provides novel couplers of the formula (1):

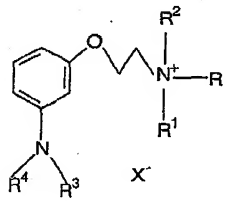


(1)

wherein X is selected from halogen and R^5SO_4 where the halogen is preferably Cl, Br or I; R, R^1, and R^2 are each individually selected from C_1 to C_{22} alkyl and C_1 to C_{22} mono or dihydroxyalkyl, or two of R, R^1 and R^2 together with the nitrogen atom to which they are attached form a C_3 to C_6, preferably C_4 to C_6, saturated or unsaturated ring optionally containing in the ring one or more additional hetero atoms selected from O, S and N atoms; R^3 and R^4 are each individually selected from C_1 to C_6 alkyl, C_1 to C_6 hydroxyalkyl, C_1 to C_6 alkoxy, C_1 to C_6 aminoalkyl or R^3 and R^4 together form a ~~C_4~~ C_2 to C_5 alkylene group; and R^5 is selected from C_1 to C_{22} alkyl and C_1 to C_{22} mono or dihydroxyalkyl. Preferably X is Cl, Br, I and R^5SO_4 where R^5 is C_1 to C_4 alkyl, more preferably methyl; and preferably R, R^1, R^2, R^3 and R^4 are each individually C_1 to C_3 alkyl, and more preferably methyl.

Please replace the paragraph beginning page 3, line 10 with the following paragraph:

The coupler compounds of this invention are those of formula (1)

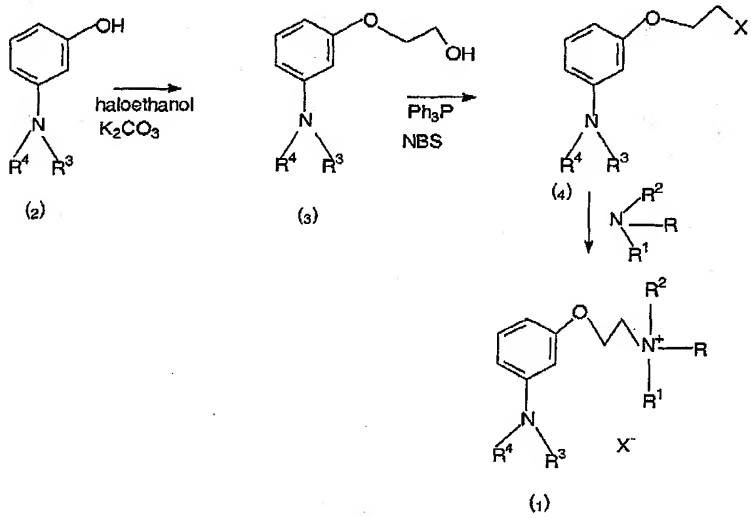


(1)

wherein X is selected from halogen and R^5SO_4 where the halogen is preferably Cl, Br or I; R, R^1, and R^2 are each individually selected from C_1 to C_{22} alkyl and C_1 to C_{22} mono or dihydroxyalkyl, or two of R, R^1 and R^2 together with the nitrogen atom to which they are attached form a C_3 to C_6, preferably C_4 to C_6, saturated or unsaturated ring optionally containing in the ring one or more additional hetero atoms selected from O, S and N atoms; R^3 and R^4 are each individually selected from C_1 to C_6 alkyl, C_1 to C_6 hydroxyalkyl, C_1 to C_6 alkoxy, C_1 to C_6 aminoalkyl or R^3 and R^4 together form a ~~C_4~~ C_2 to C_5 alkylene group; and R^5 is selected from C_1 to C_{22} alkyl and C_1 to C_{22} mono or dihydroxyalkyl. Preferably X is Cl, Br, I and R^5SO_4 where R^5 is C_1 to C_4 alkyl, more preferably methyl; and preferably R, R^1, R^2, R^3 and R^4 are each individually C_1 to C_3 alkyl, and more preferably methyl.

Please replace the paragraph beginning page 4, line 11 with the following paragraph:

The novel coupler compounds of formula (1) of this invention are readily prepared according to the following reaction sequence where X, R, R^1, R^2, R^3, R^4 and R^5 are as defined hereinbefore:



(1)

In this synthesis an aminophenol (2) is reacted with a 2-haloethanol, such as 2-bromoethanol, in the presence of potassium carbonate in dimethylformamide to produce the alcohol compound (3). Transformation of this alcohol compound (3) into a compound (4) is carried out by treatment of the alcohol compound with triphenylphosphine and a halo-succinimide, such as bromosuccinimide (NBS). Treatment of compound (4) with a quaternization reagent (NRR^1R^2) produces a compounds of formula (1) of this invention.